

ABSTRACT

A speech recognition method and apparatus therefor are provided for performing speech recognition in a start/finish point range and improving speech recognition abilities under 5 noisy conditions.

The method comprises: an analysis step of performing acoustic analysis of input speech; a start/finish point range determining step of detecting, as hill segments, segments in which the power of the input speech continuously surpasses a 10 predefined threshold value, and with the hill segment where the power is largest considered as the greatest hill segment, of assuming that a start-point range exists prior to the point at which the greatest hill segment goes below the threshold value and a finish-point range exists following the point at which 15 the greatest hill segment goes above the threshold value, and of outputting combinations of start-point ranges and finish-point ranges; and an identification step of performing pattern matching between reference patterns and patterns of each of the combinations.

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